

***Amendments to the Claims***

This listing of claims will replace all prior versions, and listings of claims in the application.

Claims 1-27 (Cancelled).

28. (Currently amended) A transgenic non-human placental mammal whose genome incorporates a DNA molecule comprising a coding sequence operably linked to a regulatory sequence control sequence which comprises a promoter from a gene encoding a naturally-derived milk protein, wherein said coding sequence comprises in order a first segment encoding a fusion partner protein which is lysozyme coupled in-frame to a second segment encoding a peptide other than a protein leader sequence not naturally found in milk, and wherein said fusion protein is expressed in the milk of said transgenic animal.
29. (Original) A transgenic mammal as claimed in claim 28, wherein said mammal is selected from the group consisting of a cow, a sheep, a goat, a rabbit, a mouse and a pig.

Claims 30-77 (Cancelled).

78. (Currently amended) The transgenic animal of claim 77 28, wherein said regulatory promoter sequence is a  $\beta$ -lactoglobulin promoter.
79. (Currently amended) The transgenic animal of claim 28, wherein said second segment encodes a peptide selected from the group consisting of:

- (a) calcitonin;
- (b) parathyroid hormone;
- (c) glucagon;
- (d) glucagon-like-peptide-1;
- (e) a magainin;
- (f) a histatin;
- (g) a protegrin; and
- (h) a clavanin, and
- (i) ~~fragments thereof of any of (a) through (h).~~

80. (Previously presented) The transgenic animal of claim 28, wherein said lysozyme is human lysozyme.